Figure 1:
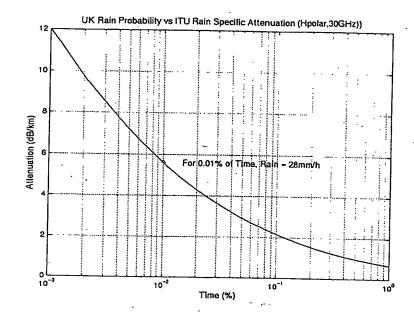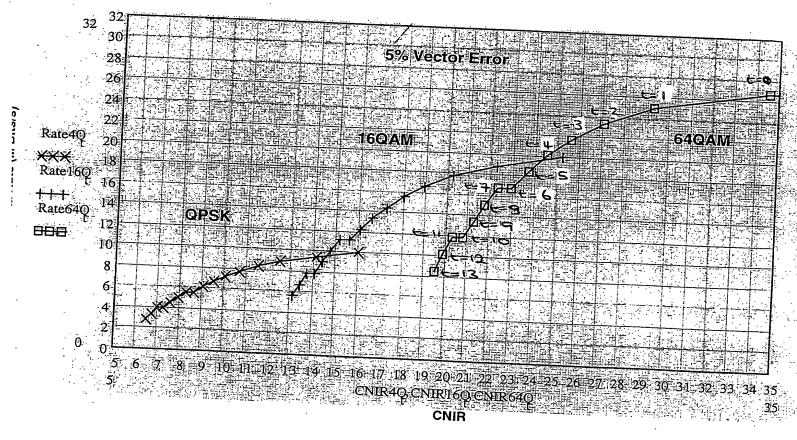
PRIOR ART

UK Rain Probability vs ITU Rain Specific Attenuation (Hpolar,30GHz))

For 0.01% of Time, Rain = 28mm/h

5% Vector Error

16QAM

64QAM

QPSK

Rate4Q
Rate16Q
Rate64Q

CNIR4Q CNIR16Q CNIR64Q

CNIR

FIG 6.